

Mechanics'
Institute



SAN FRANCISCO



✦ 1894 ✦



—Thirty=Ninth
Annual Report

Mechanics' Institute LIBRARY AND READING ROOM,

31 POST STREET, SAN FRANCISCO.

67,000 VOLUMES.

From three hundred to six hundred volumes added monthly.

Daily list of additions is posted in the circulation department.

New Books of general interest or special merit are added as soon as published, and duplicated in accordance with the demand.

Members' requests for books not already in the Library receive careful consideration.

The Reference Department is especially strong in mechanical and engineering works, including complete sets of the principal American and Foreign scientific periodicals.

It contains, also, the United States and the English Patent Office Reports, complete.

The Reading Room list of periodicals embraces the title of 400 newspapers, magazines, reviews and journals.

Classes in Mechanical, Architectural and Free-Hand Drawing, each two evenings a week.

HOURS OF THE LIBRARY.

LIBRARY,	-	-	-	-	-	9 A. M. to 10 P. M.
" (Sundays),	-	-	-	-	-	12:30 to 4:30 P. M.
READING AND CHESS ROOMS,	-	-	-	-	-	7 A. M. to 10 P. M.
" " " " (Sundays),	-	-	-	-	-	8 A. M. to 9 P. M.

TERMS OF MEMBERSHIP.

Entrance Fee,	-	-	-	-	-	\$ 1 00
Quarterly Dues,	-	-	-	-	-	1 50
Life Membership,	-	-	-	-	-	50 00

Rooms open for inspection day and evening.

THIRTY-NINTH

ANNUAL REPORT

OF THE

Mechanics' Institute



SAN FRANCISCO, CAL.

1894.

LIBRARY.

31 POST STREET.

HORACE WILSON..Librarian.
A. M. JELLISON.....Assistant Librarian.

ASSISTANTS.

F. B. GRAVES,	R. B. COLQUHOUN,
J. H. WOOD,	G. W. BREEDER,
W. R. WILLIAMS,	J. HARRIMAN,
W. H. WOOLCOCK.	

JANITORS.

F. E. HARRIS.	C. RODDICK.
---------------	-------------

REPORT OF THE PRESIDENT.

To the Members of the Mechanics' Institute :

The Mechanics' Institute has long held a leading position in the City of San Francisco ; and its duty to the interests it represents, to its members, and to the State, is none the less clearly defined to-day than it was thirty-eight years ago, when it was first organized. It has aimed to do its duty, and while it has never entirely covered the field of its usefulness, and perhaps never will, it has endeavored to keep in the front rank and abreast with the times.

Its earnest friends, and those who desire to see it fill the full measure of its usefulness, must forever be on the alert to prevent it becoming satisfied with itself, or remain stationary when all around it advances—such a condition would be retrogression, which the spirit of the age forbids and its members would not tolerate.

In no branch of human thought has there been such a consistent development and rapid advance during the past fifty years as in the mechanic arts. The power delegated to man to create has in no way been so effectively used as in the mechanic arts. The reproduction by mechanical means of almost every motion constituting human muscular action, and their application by mechanical means to functions which a few years ago were thought to belong solely to the intelligence of man, demonstrates how near humanity is brought to divinity through the study and practical development of the mechanic arts.

Even we, mechanics and members of the Mechanics' Institute, sometimes overlook that fact, and, through familiarity with machines that do almost everything but think, undervalue the achievements of the individual mechanic who, by long and deep study and persistent series of experiments, produces an apparatus that substitutes mechanical action for human action and the

human senses combined ; and this, by relieving the brain and muscle of man, to this extent leaves them free for a higher and nobler duty.

PURPOSES OF THE INSTITUTE.

When this Mechanics' Institute was organized, it was "for the purpose of the advancement, protection and improvement of the mechanic arts and sciences," and it is so proclaimed in its charter. The Trustees are enjoined in Section 7, Article VII, to preserve inviolate the integrity of the Mechanics' Institute, and each one of us as members is pledged to the same obligation. It therefore remains with us a solemn duty to carry out the purposes of the organization, as designated in its charter ; and it is evident that, in doing this, the governing body of the Institute must be composed of men who, by education, training and affiliations, are mechanics, or identified with the mechanic arts. I wish to emphasize this, because the true intention of the purposes of this organization cannot otherwise be carried into effect and intelligently administered, any more than a medical college could be consistently administered by farmers, a college of law by musicians, or a theological seminary by actors ; and the history of this Institute during its struggle and its development shows the earnest work of the men who were closely identified with the mechanic arts and sciences in maintaining inviolate the integrity of the Mechanics' Institute, and through that history the Institute has been fortunate in having such men as Britton, Plum, Cornwall, Scott, Kerr, and others who were willing and able to devote to it their time and their best thoughts.

The foundation of the Institute having been well laid, and having now an excellent library of 66,462 volumes, it is time the other purposes for which the Institute was organized be considered, and steps taken to give practical direction to them.

LIBRARY.

The library itself must always receive the direct and careful attention of the Trustees ; its growth must be constant, and the first care must be to meet the demands of the members. This will require a larger accession of books than has been made for

some years past ; and while the ordinary literature for circulation must meet the tastes of the members, the purchase of books of reference and current technical works, which cost a good deal per volume, cannot be neglected. The selection of these books requires more than usual judgment, and those members who are directly interested in any technical or scientific subjects should advise the Book Committee and the Librarian as to purchases. The circulation of books in the library has increased in ten years from 50,759 for the year 1885, to 160,992 for 1894. The library in 1885 contained 36,328 volumes, and in 1894 it contains 66,462 ; while the membership roll in 1885 contained 2,123 names, in 1894 it contains 4,371 names. It must be seen that while the number of books circulated was 23.9 per member in 1885, it was 36.8 per member in 1894. The books in 1885 were 17 per member, while in 1894 there were 15.2 books per member. The same proportion in 1894 as existed in 1885 would give the library 74,307 volumes, instead of 66,462, and yet in spite of the great increase in membership and in popularity, the library expenses up to 1894 have never been met by the receipts from membership dues and fees, and extraordinary efforts, principally directed to the Annual Industrial Fairs, have brought in the revenue needed to maintain the Institute and increase its usefulness.

INCREASED ACCOMMODATIONS.

The question of increasing the accommodations and facilities of the library, and in making the present quarters suitable to its growing wants, has received the attention of the members at large and the various Boards of Trustees for several years past, without coming to any definite decision until quite recently. All the plans suggested by friends of the Institute have been carefully discussed and considered, and the present Board of Trustees has finally made arrangements to proceed with the improvements, made so very necessary by the crowded condition of rooms—crowded both by members and books—and, under the direction of Architect William Patton and Superintendent J. R. Wilcox, the work is proceeding. The contemplated improvements include the altering and fitting up of the entire basement into reading,

chess and class rooms, the removal of the most active part of the circulating library, the librarian desks, into the premises now occupied by one of the stores, and the fitting up of a ladies' toilet, reading and conversation room there, the re-arrangement of the shelving, and careful re-classification of the books on the entire second and third floors, connecting the same by dumb waiters with the delivery desk, improving the main entrance, and a general rejuvenation and brightening up of the premises. The alterations will bring the library easy of access, being on the level of the street, avoid climbing one or two flights of stairs, except to members desiring to consult reference books, and will enable the Librarian to shelve and re-arrange books now stored away in boxes or at remote points, facilitate the work of the library, and increase the accommodation to members.

In addition to the improvements above referred to, I am of the opinion that a branch of the library, for receiving and delivering books, could be opened to good advantage in one of the stores owned by the Institute in the Pavilion property on Hayes street.

PAVILION.

The Pavilion has been leased until the first day of July for a total sum of \$9,000, the lessees having the privilege of six months' extension for a further sum of \$7,500.

FAIRS.

In the event of the lessees not taking advantage of their privilege, I would recommend that the usual Fair be held in the coming Fall. The holding of a Fair in January and February, 1893, did not turn out very profitable, and, although the weather for that time of the year was all that could be desired, a loss of \$2,284.09 was created at a time when the loss fell with unusual severity on the Institute. It was an error of judgment in changing the time of holding the Fair, and I am clearly of opinion that an Industrial Exposition should be held, as heretofore, annually early in the Fall.

THE FOLSOM STREET LOT.

The question as to what disposition should be made of the lot has been before the Board repeatedly. The property cost \$97,-

800.00, was purchased in 1887, and stands us in to-day \$148,824.00. Real estate men do not value it at that figure, but think that possibly by cutting it up and selling in small lots, one-fourth down and balance on time at 7 per cent., we might receive a fair return. The valuation put on the property for 1892 was \$175,000.00, which is probably double its present market value, but one which the Assessor is glad to accept. The last action of the members, at a quarterly meeting, was a recommendation that it be not sold; but I am of opinion, in view of the altered condition of affairs, that it should be sold as soon as a fair market for it can be found, so that our existing indebtedness might be paid off, and the active property of the Institute improved.

CONSTITUTION.

There have been, from time to time, more or less changes made in the by-laws and constitution of the Institute, and as they exist to-day there are many incongruities. It is always a dangerous thing to tamper with the constitution, and the utmost care should be exercised in making any changes. I would, however, recommend that the new Board of Trustees revise the constitution by making the different sections and articles harmonize; and, as the present edition is nearly exhausted, this should be done before a new edition is printed, and in due course be submitted to the members for their examination and approval.

RECEPTION TO UNION IRON WORKS.

A reception was tendered on 23d December, 1893, by this Society, to the Union Iron Works, in recognition of their services to this State and Coast in successfully building the United States cruiser "Olympia," and in maintaining a large manufacturing establishment, where employment was given to 1,300 men and boys. The proceedings of that reception are about to be printed for distribution.

LOCAL INDUSTRIES.

The employment of men at a fair rate of wages is the solution to the hard times we have been experiencing. The Mechanics' Institute recognizes this, and emphasized it by the reception ten-

dered to the Union Iron Works. I do not think that the importance of this fact has impressed itself on the people of San Francisco, yet for the last three months large sums of money have been raised to give work to the unemployed, and it has been seen how willing the majority of men are to earn, rather than to beg, their bread. If the lesson of the present condition of affairs can be made effective in this community, the money spent in thus enabling so many men to earn their bread will be well invested. Sufficient encouragement has not been extended to the local industries, and many have been driven from this city through the indifference of the people, who have failed to recognize the fact that, by giving preference to goods manufactured and produced by local industries, they keep the men and women of the city remuneratively employed, both to the benefit of themselves and the tax-payers; in fact, the citizens of San Francisco could better afford to maintain industrial establishments at a small per centage of loss, if by so doing they keep the deserving and the industrious employed. And again, in view of conditions that exist in San Francisco, it shows a cruel indifference of the present wants of the people, and future prospects of the community, by encouraging importation of goods from the Eastern States and from foreign nations, to the distinct detriment and damage of our home industry.

MANUAL LABOR.

The unhealthy condition of the average mind of this country, which looks with disdain upon manual labor, especially when it soils the hands or smuts the face, and the total disregard for the good of humanity in educating young men and women to thus regard labor, has over-crowded the professions, and proportionately degraded them. In the economic distribution of occupations but a small proportion can live by their wits; the great mass must now and in the future, as they have in the past, earn their living by the sweat of their brow. The skilled workmen in American workshops to-day are almost entirely foreigners, and to them is paid the higher compensation which should go to our own citizens.

TRADE SCHOOLS.

Much has been done by philanthropic men in founding technical manual training and trade schools, but the aim has been too high for the benefit of the masses. Excellent superintendents, chemists, engineers and architects have been produced there, but the skilled mechanic, as such, has been almost entirely neglected. To reach such as are of mediocre talent, or not blessed with means, should be the main purpose of the manual training or trade school of the future; gather in and direct the physical energy of the young men and women so that, with the merest rudiments of a common school education, they can earn a living in an honest way, by the exercise of well-developed skill in some honorable handicraft, and thus educate the American born mechanic to become the most skillful artisan among the artisans of the world. I believe the drift of opinion, of those who are able to give and have seriously considered the situation as it actually exists, is tending in that direction. James Lick, I think, in founding the California School of Mechanical Arts with \$540,000, and J. C. Wilmerding, who founded the Wilmerding School with \$400,000, had such an object in view. James Lick uses these words in his will: "To educate males and females in the practical arts of life, such as workers in wood, iron and stone, or any of the metals, and in whatever industry intelligent skill now is or can hereafter be applied." And Mr. Wilmerding uses in his will the following language: "To teach boys trades fitting them to make a living with their hands with little study and plenty of work." The teaching of trades by school instruction confined to a particular trade, as in the old apprenticeship system, can scarcely be economically administered now, and a broader line of instruction is demanded by the modified conditions of industrial pursuits. Machinery has relieved the artisan of a great deal of mechanical labor, and such labor capable of being done by a machine is unworthy the labor of man. The intelligent use of tools, tools being man's agent as man is God's agent, should be prized by every boy, and, in a limited way, by every girl, and should be esteemed as a privilege. To teach the proper use of tools, so that such use can be utilized in industrial pursuits, and can enable the artisan to make

a living through his own labor, is the function of a trade school. The instruction here given to a pupil should have for its primary purposes the encouragement of industry, the means of making a living through some industrial pursuit, and the instillation of truth and honesty; and such instructions should be limited in the class room to the mere rudiments, but leading to the technical schools, by those who are competent and desire to go there, the technical schools bearing about the same relation to the trade school as the high school bears to the grammar; but the trade schools should admit pupils at as early an age as apprentices were indentured. It is probable that with three years, or four, grounding in the general use of tools, accompanied by necessary collateral class-room instructions, that the pupil should decide what calling he intends to follow, and then special instructions should be given in such calling, so as to fit him for the vocation he has chosen. Thorough, complete and concrete work should be done in the school; and if it is intended finally to launch the pupil into the world as an artisan, and not a jack-of-all-trades, he is entitled to the same special instruction as a post-graduate or a collegiate taking a special course. The amount of good done by the manual training and technical schools cannot be fully recognized except by comparing the status to-day of the American engineer, among the engineers of the civilized world, with what it was thirty years ago; and it is to be hoped that within the next few years, in making the native American mechanic an artisan, he will occupy relatively the same proud position, and when it is remembered that the number of mechanics, as compared with the number of engineers, superintendents, etc., must be as thirty to one, it is a result most sincerely to be desired, both from the social and economic view.

ELECTION.

The election just held is the second under the preferential system of proportional representation, and it has demonstrated the advantages claimed for it by its advocates, and sustained the reputation earned at the first election. It has eliminated several very objectionable features in the old method, has enabled members to vote for each candidate in accordance with his individual

opinion, has insured an election representing, through the ballots, that opinion, has increased the quietness and the dignity of the voting, and decreased the time necessary to make up the returns.

CLASSES.

During the term five classes have been maintained, viz., crayon work, industrial design, geometrical drawing, machine drawing and mathematics. The present enrollment is 122; average attendance, 100. The Committee and the Principal, Mr. A. W. Scott, speak in the highest terms of the conduct and progress of the young men and women in attendance, but believe that if these classes were better known the attendance would be much greater.

LECTURES.

Five lectures have been given during the winter, at an expense of \$185.20; all lectures were well attended. The Institute feels the need of a central lecture hall.

BOOKS.

The Book Committee was authorized to expend \$12,000 for books during the year, but did not expend that amount by \$2,386.23.

FINANCES.

The Secretary's report, which has been read, shows:

Receipts from members	\$ 25,605 10
Expenses of library	27,001 29
Receipts from Post street rents	7,950 00
Receipts from Pavilion property	20,153 54
Expenses of the Pavilion	14,539 58

The financial condition of the Institute February 28, 1894:

Assets—Cash with Treasurer	\$ 5,423 95
Liability—Note to Donohoe-Kelly.	6,000 00
Unpaid mortgage University of California	100,000 00
Unpaid bills.	4,042 00
Excess of liabilities over cash assets.	104,618 05

PROPERTY.

The Institute's property consists of the block of land on which the Pavilion is built, the block of land on Folsom and Sixteenth streets, and the library building, 74 feet 11½ inches, on Post street. As this property, except, perhaps, the Folsom street lot, is valuable to the Institute only for Institute purposes, it is difficult to give figures of exact value, and it is unwise for the Mechanics' Institute to over-estimate these values.

DEATH.

The Institute has lost by death, since last report was made, three life members, viz.: L. L. Baker, J. S. Doe and J. J. Rey; and two honorary members, Prof. John LeConte and Hon. Newton Booth.

Respectfully submitted,

A. S. HALLIDIE,
President.

SAN FRANCISCO, March 5, 1894.

REPORT OF THE TREASURER.

To the President and Members of the Mechanics' Institute:

I herewith present my report for the year ending February 28, 1894.

GENERAL FUND.

RECEIPTS.

Quarter ending May 31, 1893.....	\$17,815 26	
" " August 31, 1893.....	17,662 79	
" " November 30, 1893.....	15,518 20	
" " February 28, 1894.....	21,755 79	
		<hr/> \$72,752 04

DISBURSEMENTS.

Overdraft last annual report.....	\$ 665 49	
Quarter ending May 31, 1893.....	22,807 38	
" " August 31, 1893.....	12,104 82	
" " November 30, 1893.....	11,600 89	
" " February 28, 1894.....	23,773 10	
		<hr/> \$70,951 68
Cash Balance.....	1,800 36	
		<hr/> \$72,752 04

Respectfully submitted,

C. A. MALM,
Treasurer.

FINANCIAL STATEMENT

FOR THE YEAR ENDING FEBRUARY 28, 1894.

RECEIPTS.

Library—

Balance March 1, 1893.....	\$ 3,148 19
Entrance fees.....	\$ 808 00
Quarterly dues	23,108 00
Books, fines, sold, etc.....	1,773 10
Expense, sale of old material.....	2 60
	<hr/>
	25,691 70
Rents, Post St. building	7,950 00
	<hr/>
	33,641 70

Pavilion—

Rent of building	12,710 10
Rent of annex.....	470 00
Rent of Hayes St. buildings.....	3,848 57
Gas, paid for by tenants	2,143 24
Labor	748 20
Sale of material	65 80
Damage to building and furniture.....	37 63
License, etc.....	130 00
	<hr/>
	20,153 54

Evening Classes—

Dues from pupils.....	226 75
Drawing paper, etc.....	17 95
	<hr/>
	244 70

Bills Payable—

Am. Bank and Trust Co.....	6,000 00
Donohoe-Kelly Banking Co.....	9,000 00
	<hr/>
	15,000 00

Sundry Accounts—

Bills, etc., collected.....	129 33
	<hr/>
	\$72,317 46

EXPENDITURES.

Overdraft March 1, 1893..... \$ 6,058 59

Library—

Advertising.....	\$ 260 00
Books	5,197 65
Binding.....	2,477 81
Expense	1,386 82
Fuel	118 20
Insurance.....	950 00
Lighting	2,026 92
Periodicals	799 60
Printing and stationery	733 36
Repairs.....	624 80
Salaries	10,734 65
Taxes.....	1,472 33
Water	219 15
	<hr/>
	27,001 29

Pavilion—

Improvements to building	\$ 533 80
Repairs to fixtures, etc.....	440 95
Insurance	1,019 00
Plans for new building.....	250 00
Gas.....	2,750 07
Water.....	132 00
Salaries and labor.....	4,533 94
General expense.....	634 51
Legal expenses.....	400 50
Taxes.....	3,744 81
	<hr/>
	14,539 58

Evening Classes—

Salaries of teachers.....	\$ 1,455 00
Advertising	20 80
Gas.....	221 00
Electric Light	181 95
Drawing paper, etc	73 92
Furniture	60 00
	<hr/>
	2,012 68

Lectures—

Lecturers.....	\$ 20 00	
Rent of hall	80 00	
Advertising and printing.....	70 20	
Illustrating lectures.....	15 00	
		\$ 185 20

Folsom Street Lot—

Interest	\$ 6,000 00	
Taxes	1,213 16	
Improvements.....	122 34	
		7,335 50

Bills Payable—

Am. Bank & Trust Co.....	\$ 6,000 00	
Donohoe, Kelly & Co.....	3,000 00	
		9,000 00

Interest—

Overdrafts and loans.....	326 10	
---------------------------	--------	--

Contingent Fund—

Librarian	150 00	
Secretary	100 00	
		250 00

Unpaid Bills—

Last year.....	184 57	
----------------	--------	--

Cash Balance—

General fund.....	2,899 48	
Sinking fund	2,454 97	
Librarian	69 50	5,423 95
		\$72,317 46

Twenty-seventh Industrial Exposition—

Deficit \$2,284 09.

Respectfully submitted,

J. H. CULVER,
Secretary.

SAN FRANCISCO, March 10, 1894.

REPORT OF THE LIBRARIAN.

The Board of Trustees:—

GENTLEMEN—I have the honor to present the 39th annual report of the business and condition of the Library for the year ending February 28, 1894.

The apparent large loss in membership corresponds very nearly with the exceptional gain reported last year, when in one month there was an enforced addition of 1,400 members, all persons taking a season ticket to the Industrial Exposition of that year being required to take membership in the Institute. Most of these resigned at the end of the term, proving, I think conclusively, that no material advantage results from such enforced membership.

TABLE OF MEMBERSHIP.

In good standing last report.....	5,541
New members.....	808
Withdrawn and dropped.....	1,978
Net loss.....	1,170

Present Membership	{	Honorary.... 11	} Total..4,371	
		Life		186
		Subscribers..4,174		

BOOKS.

The accessions to the catalogue show the addition of 5,086 new volumes.

TABLE OF ACCESSIONS.

Bibliography	25	Fine Arts.....	159
General Periodicals.....	302	Poetry.....	73
Philosophy	63	Fiction and Juveniles...	2,667
Religion	82	Literature	110
Sociology	367	Geography and Travels.	143
Philology	15	Biography.....	241
Natural Science.....	184	History	164
Useful Arts.....	491		
Total			5,086

There were purchased	3,520	
Presented	291	
Bound	1,275	
	<hr/>	5,086
Unbound and pamphlets :		
Purchased	740	
Presented	328	
	<hr/>	1,068
These were assigned :		
Reference Rooms	952	
Circulation Department	4,134	
	<hr/>	5,086

There are 66,462 volumes in the Library, of which 24,083 volumes compose the Reference Library, and 42,379 are in the circulation department.

The book account for the year is \$5,197.65.

TABLE OF BOOKS AND ACCESSIONS.

Number of volumes last report	62,444	
New volumes added	5,086	
Lost with dropped members	20	
Lost and paid for	88	
Worn out and disposed of	602	
Missing, unaccounted for	358	
	<hr/>	1,068
Net increase		4,018
	<hr/>	
Total as per account taken Feb. 28th		66,462

BINDING.

New books, periodicals and pamphlets bound	1,275	
Old volumes rebound	2,797	
	<hr/>	4,072
Old volumes repaired in the Library		3,629
The binding account is \$2,477.81.		

PERIODICALS.

The Library and Reading room are supplied with 436 current periodicals ; many of these are in duplicate, and some are issued in circulation as books.

Paid	296	
Presented	140	
	<hr/>	436
American	326	
Foreign	110	
	<hr/>	436

The periodical account is \$1,532.09.

DONATIONS.

The gifts were—		
Bound volumes	291	
Unbound and pamphlets	328	
Papers and magazines—annual	140	
A list of donors is appended.		

CIRCULATION.

The issue of books for home use was 160,992 volumes, an increase of six per cent. The Library was open 307 days, and the average daily delivery was 524, the largest issue in one day being 978 volumes.

No record is kept of books used in the Library, circulating or reference, our system of unrestricted access to the shelves making it inexpedient to attempt such a record.

SUNDAYS.

The Library is open Sundays from 12:30 to 4:30 p. m, not for the issue of books, but for reading and reference use only. There is an average of 47 visitors daily, and present at any one time 20.

EVENING CLASSES.

The applications for admission to the classes in drawing and mathematics have been but 212, while the classes have been quite as full as usual. The experiment of charging a small fee having the desired result of securing better permanent attendance seems to be justified. The amount collected in fees was \$226.75. The expenditure for account of classes was \$2,012.68.

RECEIPTS.

The collections at the Library were :

Fees—new members	\$808 00
Quarterly dues.....	23,108 00
Books lost (88).....	91 45
Fines collected (7,156).....	1,130 25
Extra books (5,494 @ 10c.).....	549 40
Papers sold, and sundry.....	22 55
Evening classes.....	226 75

Total receipts at Library.....	\$25,936 40
Balance March 1, 1893.....	141 29

Total receipts.....	26,077 69
Deposited with Treasurer.....	26,008 19

Balance on hand March 1, 1894.....	69 50
------------------------------------	-------

The year has not brought the hoped for improvement in respect to Library quarters. A year ago it did not seem possible to get through another twelve months in the condition we are, and indeed it has been, if not disastrous, extremely injurious to our Library interests. The business of the Library has been carried on at great disadvantage. The inconvenience to members is very great, and dissatisfaction, not loud, but deep, is often manifest. This is felt in unexpected withdrawal of old members and in general complaint of the extreme shabbiness of the whole place and apparent disregard of the convenience and comfort of members. They claim, and not unreasonably, that the twenty-six thousand dollars they pay annually should secure them better accommodations and privileges. It is only by a liberal and prompt supply of the latest publications that this discontent is in a measure counterbalanced, and then with difficulty. It is true there is good promise of the required renovation and improvements, but I beg to be allowed to urge the utmost expedition in effecting them.

Respectfully submitted,

HORACE WILSON,
Librarian.

San Francisco, March 10, 1894.

MECHANICS' INSTITUTE.

SUMMARY OF STATISTICS. — 1881-1893.

Year ending March 1st....	RECEIPTS.			EXPENDITURES.							Accessions, volumes.....	No. of volumes.	Circulation.....	Membership.....
	Fees and Dues.....	Other.....	Total.....	Books.....	Periodicals.....	Binding.....	Total, Periodicals, Binding.....	Salaries.....	Other.....	Total.....				
1881	\$8,713 72	\$8,713 72	\$2,726 37	\$1,243 36	\$1,386 49	\$5,356 22	\$5,341 00	\$6,129 37	\$16,826 59	1,878	30,207	47,550	1,537
1882	8,393 75	\$56 60	8,450 35	1,702 91	1,314 18	745 48	3,762 57	5,342 50	5,289 99	14,245 06	1,356	31,187	46,873	1,524
1883	8,249 50	69 35	8,318 85	2,154 74	1,526 63	788 19	4,419 56	5,342 50	4,724 63	14,486 69	1,758	32,620	44,236	1,618
1884	10,145 08	98 00	10,244 08	2,105 01	1,482 78	658 35	4,206 09	4,992 09	5,626 23	14,854 32	2,053	34,620	51,464	1,919
1885	11,553 00	44 15	11,597 15	4,134 88	1,014 74	1,327 21	6,526 83	5,488 15	7,910 07	19,925 05	2,792	36,328	50,759	2,125
1886	14,123 50	140 60	14,264 10	4,130 32	1,051 37	1,194 90	6,376 59	6,132 00	7,490 91	19,899 50	3,302	38,627	72,121	2,531
1887	15,227 50	184 25	15,411 75	4,198 03	1,382 52	1,234 89	6,815 44	6,445 50	6,819 61	20,080 55	3,834	41,465	89,491	2,832
1888	17,503 50	209 16	17,712 66	4,639 69	1,386 63	1,438 97	7,465 29	6,602 00	6,224 51	20,291 80	3,809	45,051	92,827	3,160
1889	19,806 00	248 85	20,054 85	3,846 71	1,589 18	2,413 14	7,849 03	7,540 00	7,283 63	22,672 66	3,713	47,656	100,503	3,537
1890	21,669 00	403 90	22,072 90	4,824 81	1,276 22	1,648 07	7,749 10	8,162 50	7,612 37	23,523 97	4,701	51,820	114,678	3,970
1891	22,863 50	1,400 35	24,263 85	4,720 13	1,670 81	2,594 43	8,985 40	8,883 00	7,401 98	25,270 38	4,147	54,982	133,972	4,076
1892	23,333 50	1,666 12	24,999 62	4,506 41	2,340 61	1,641 31	8,488 33	9,712 50	8,341 12	26,544 95	4,017	57,934	139,090	4,130
1893	26,656 50	1,619 05	28,275 55	5,097 42	1,215 05	1,731 43	8,043 90	10,059 50	7,251 07	25,354 47	5,321	62,444	152,709	5,541
1894	23,916 00	2,020 40	25,936 40	5,197 65	1,532 09	2,477 81	9,207 55	10,734 65	7,791 58	27,733 78	5,086	66,462	160,992	4,371

GIFTS.

Names of Donors.	Vols.	Pamphlets
Academy of Natural Sciences, Philadelphia.....		1
American Institute of Mining Engineers.....		1
American Society of Mining Engineers.....		20
Anonymous.....	1	1
Associated Charities of Boston.....		1
Benkirk, Wm. J.....		7
Blake, Geo. F., Manufacturing Co., New York...		1
Blakeney, W. T., Registrar, Queensland.....		1
Buffalo Forge Co.....		1
Bureau of American Republics.....		8
CALIFORNIA—		
Bank Commissioners.....	1	
Fish Commissioners.....		1
Secretary of State.....		13
State Library.....	9	
State Mining Bureau.....	2	
California Academy of Sciences.....	1	2
California Annual Conference.....		1
California Historical Society.....		1
California State Dental Association.....		1
Channing Auxiliary.....	1	1
Chicago Public Library.....		1
Cincinnati Public Library.....		1
Clark, E. S., M. D.....	1	
Crowley, Rev. D. O.....	3	
Cust, Dr. R. N.....		2
Davis, A. B.....	1	
Denver Mercantile Library.....		1
Detroit Public Library.....		1
Garratt, W. T. & Co., castings and brass fittings for drawing class, 25 pieces.....		
Geographical Society of California.....		1
Goff, Geo. P.....		1
Hardingham, G. G. M.....	1	
Harvard University.....		3

Names of Donors.	Vols.	Pamphlets
Helena Public Library.....		3
Heopli, Ulrico.....	1	
Hewes, David.....	1	
Hill, N. P.....	1	
Howitt, H.....		1
Imperial University, Tokio, Japan.....		1
International Irrigation Congress, Los Angeles ..	1	
Kearney, J. P.....	1	
Knights of Pythias, Grand Lodge of California ..		1
Lassus, J. E., Consul of Peru.....		1
Library Company, Philadelphia.....		1
Lick Observatory.....	1	
Logan, M. Hill, M. D.....	1	
Manson, Marsden.....		4
Maryland Institute.....		1
Maslin, E. W.....	1	1
Medical Society of California.....	1	
Merry, Capt. W. L.....		2
Milne, John.....		1
Minneapolis Public Library.....		1
McDonald, R. H. Jr.....		1
Newark Free Public Library.....		1
Oakland Public Library.....		1
Oberlin College.....		1
Observatorio, Meteorologico—Magnetico, Central, Mexico.....		3
Ohashi, S, Tokio, Japan.....	8	
Ohio Mechanics' Institute.....		1
Parsons, W. E., D. D.....		2
Patent Office, English.....		187
Patent Office, Queensland.....		1
Patent Office, United States.....		20
Perkins, George C.....	33	8
Pope, A. A.....		1
Powers, L. G. (Commissioner of Labor, Minnesota) ..	1	
Royal Commission for the British Section of the		

Names of Donors.	Vols.	Pamphlets
Chicago Exhibition		1
Rudolph Indexer Co.		1
SAN FRANCISCO—		
Board of Education		1
Board of Supervisors	1	
Free Public Library		1
San Francisco Microscopical Society		1
Savage, R. H.	2	
Schurman, J. G.		1
Selig and Kandler		1
Sheppard, W. S., Chicago	1	2
Sims, J.	4	
Smithsonian Institute	8	21
Society of California Pioneers		3
Sons of the American Revolution		3
Souther, W. F., M. D.		1
St. Louis Mercantile Library Association		2
Stone, D. C.	2	
Storke, Yda Addis		2
Toland, Mrs. M. B. M.	1	
Trenor, T. F., "Good Roads" (subscription 1 year)		
UNITED STATES—		
Bureau of Education	1	8
Bureau of Labor	6	1
Bureau of Navigation	1	1
Bureau of Statistics	2	
Chief of Engineers	1	23
Civil Service Commission	1	
Coast and Geodetic Survey		3
Department of Agriculture	6	99
Department of the Interior	157	28
Department of Justice	1	
Department of State	6	1
Geological Survey	3	
Interstate Commerce Commission	2	
Naval Observatory	1	

Names of Donors.	Vols.	Pamphlets
Patent Office		20
War Department	12	
University of California	1	8
Vickery, W. K.		2
Vivian, T. J.		1
Weather Bureau, California		7
Wiley, Rev. Dr.	1	
Wood, J. H.	2	

PERIODICALS PRESENTED.

American Institute of Mining Engineers' Transactions.
 American Sentinel (Oakland, Cal.)
 American Standard (San Francisco, Cal.)
 Anderson Enterprise (Anderson, Cal.)
 Astronomical Society of the Pacific, Publications.
 Berkeleyan (Berkeley, Cal.)
 Breeder and Sportsman.
 Bulletin Commerciale de Campagne Geneva Transatlantique.
 Bureau of Statistics, Quarterly Reports.
 California Academy of Sciences, Bulletin.
 California Architect and Building News.
 California Demokrat (San Francisco, Cal.)
 California Fruit Grower.
 California Journal (San Francisco, Cal.)
 California Medical Journal (San Francisco.)
 California Midwinter Exposition.
 California Spirit of the Times.
 California Voice.
 Californische Volksfreund.
 Castroville Enterprise (Monterey, Cal.)
 Chino Valley Champion (Chino, Cal.)
 Christian Leader (Boston.)
 Christian Science Journal.
 Citrograph (Redlands, Cal.)
 City Argus (San Francisco, Cal.)
 Clear Lake Press (Lower Lake, Cal.)

Cloverdale Reveille (Cloverdale, Cal.)
 Congressional Record.
 Contra Costa Gazette (Martinez, Cal.)
 Corning Observer (Corning, Cal.)
 Daily Commercial News (San Francisco, Cal.)
 Daily Examiner (San Francisco, Cal.)
 Daily Evening Herald (Nevada City, Cal.)
 Daily Morning Republican (Fresno, Cal.)
 Daily News (Red Bluff, Cal.)
 Daily Palo Alto (Palo Alto, Cal.)
 Daily Tidings (Grass Valley, Cal.)
 Daily Transcript (Nevada City, Cal.)
 Dalles Times-Mountaineer (Dalles, Oregon.)
 Edwards' Abstract from Records (San Francisco, Cal.)
 Elevator (San Francisco, Cal.)
 Elko Independent (Elko, Nev.)
 Evening Bulletin (San Francisco, Cal.)
 Evening Post (San Francisco, Cal.)
 Filatelic Facts and Fallacies.
 Galt Weekly Gazette (Galt, Cal.)
 Germania (San Francisco, Cal.)
 Gilroy Gazette (Gilroy, Cal.)
 Good Health.
 Good Roads (New York.)
 Grass Valley Union (Grass Valley, Cal.)
 Grocer and Country Merchant (San Francisco, Cal.)
 Harmony.
 Hawthorne (San Francisco, Cal.)
 Hayes Valley Advertiser (San Francisco, Cal.)
 Hebrew (San Francisco, Ca.)
 Human Nature (San Francisco, Cal.)
 Humane Journal (St. Paul.)
 Imports and Exports, Summary.
 Insurance Times.
 Institution of Civil Engineers, Proceedings.
 Invention (London.)
 Jewelers' Weekly (New York.)

Jewish Progress (San Francisco, Cal.)
 Jewish Times (San Francisco, Cal.)
 Lake County Avalanche (Lakeport, Cal.)
 Lassen Advocate (Susanville, Cal.)
 Los Angeles Weekly Mirror (Los Angeles, Cal.)
 Machinery Market and Exporter (London.)
 Mail of Woodland (Woodland, Cal.)
 Marysville Daily Appeal (Marysville, Cal.)
 Mendocino Beacon (Mendocino, Cal.)
 Mission Journal (San Francisco, Cal.)
 Monitor (San Francisco, Cal.)
 Morning Call (San Francisco, Cal.)
 Morning Oregonian (Portland, Or.)
 Mountain Messenger (Downieville, Cal.)
 Napa Register (Napa, Cal.)
 News Letter (San Francisco, Cal.)
 Oakland Tribune (Oakland, Cal.)
 Occident (Berkeley, Cal.)
 Occident (San Francisco, Cal.)
 Official Gazette of the Patent Office (United States.)
 " Journal " " " (British.)
 Oregon State Journal (Eugene, Or.)
 Oroville Register (Oroville, Cal.)
 Outlook (Santa Monica, Cal.)
 Pacific Churchman (San Francisco, Cal.)
 Pacific Coast Financial Record.
 Pacific Coast Journal of Homœopathy (San Francisco, Cal.)
 Pacific Health Journal.
 Pacific Irish American (San Francisco, Cal.)
 Pacific Rural Press (San Francisco, Cal.)
 Paradise of the Pacific (Honolulu.)
 People's Cause (Red Bluff, Cal.)
 Placer Argus (Auburn, Cal.)
 Placer Herald (Auburn, Cal.)
 Plumas National (Quincy, Cal.)
 Political Record (San Francisco, Cal.)
 Press-Horticulture (Riverside, Cal.)

Redwood City Democrat (Redwood, Cal.)
 St. Helena Star (St. Helena, Cal.)
 Salinas City Index (Salinas, Cal.)
 San Diegan Sun (San Diego, Cal.)
 San Diego Vidette (San Diego, Cal.)
 San Francisco Chronicle.
 San Francisco Daily Report.
 San Francisco Hotel Gazette.
 San Francisco Journal of Commerce.
 San Jose Herald (San Jose, Cal.)
 San Jose Weekly Mercury (San Jose, Cal.)
 San Luis Obispo Tribune (San Luis Obispo, Cal.)
 San Miguel Messenger (San Miguel, Cal.)
 Santa Cruz Surf (Santa Cruz Cal.)
 Saucelito News (Saucelito, Cal.)
 Seattle Press (Seattle, Wash.)
 Sequoia (Palo Alto, Cal.)
 Signs of the Times (Oakland, Cal.)
 Star (San Francisco, Cal.)
 States-Rights Democrat (Albany, Or.)
 Students' Journal.
 Technical Society of the Pacific Coast, Transactions.
 Textile World.
 Themis (Sacramento, Cal.)
 Town Talk (San Francisco, Cal.)
 United States American.
 United States Consular Reports.
 Urn (Boston.)
 Vancouver Independent.
 Victoria Weekly Colonist.
 Weekly Bulletin (Boston, Mass.)
 Weekly Californian (Bakersfield, Cal.)
 Weekly Colusa Sun (Colusa, Cal.)
 Weekly Leader (Port Townsend, Wash.)
 Weekly People's Press (San Francisco, Cal.)
 Weekly Red Bluff News (Red Bluff, Cal.)
 Wood and Iron (San Francisco, Cal.)
 Yreka Journal (Yreka, Cal.)

GENERAL LIST OF PERIODICALS—1894.

A B C Guide, San Francisco (monthly.)
 Academy, London (weekly.)
 Albany Law Journal (weekly.)
 All the Year Round (monthly.)
 American Academy of Political and Social Science, Annals, Philadelphia (bi-monthly.)
 American Agriculturist, New York (monthly.)
 American Analyst, New York (semi-monthly.)
 American Antiquarian, Chicago (bi-monthly.)
 American Architect and Building News, Boston (weekly.)
 American Catholic Quarterly Review, Philadelphia.
 American Chemical Journal, Baltimore (monthly.)
 American Economic Association, Publications (bi-monthly.)
 American Engineer and Railroad Journal, New York (monthly.)
 American Field, Chicago (weekly.)
 American Gas Light Journal, New York (weekly.)
 American Geologist, Minneapolis (monthly.)
 American Institute of Electrical Engineers, Transactions (monthly.)
 American Journal of Mathematics, Baltimore (quarterly.)
 American Journal of Philology (quarterly.)
 American Journal of Psychology, Worcester, Mass. (quarterly.)
 American Journal of Science, New Haven (monthly.)
 American Machinist, New York (weekly.)
 American Meteorological Journal, Boston (monthly.)
 American Monthly Microscopical Journal, Washington, D. C.
 American Naturalist, Philadelphia (monthly.)
 American Society of Civil Engineers, Transactions, New York.
 American Society of Mechanical Engineers, Transactions, N. Y.
 *American Standard, San Francisco (monthly.)
 American Statistical Association, Publications, Boston (quarterly.)
 *Anderson Enterprise, Anderson, Cal. (weekly.)
 Annalen der Physik und Chemie (monthly.)
 Annalen der Physik und Chemie Beiblätter (monthly.)
 Annales de Chimie et de Physique (monthly.)
 Annales des Mines (monthly.)
 Annales des Ponts et Chaussées (monthly.)
 Annual of the Universal Medical Sciences, Philadelphia.
 Annals of Hygiene, Philadelphia (monthly.)
 Architectural Review, Boston (semi-quarterly.)

* Presented.

Arena, Boston (monthly.)
 Argonaut, San Francisco (weekly.)
 Arizona Weekly Star, Tucson (weekly.)
 Army and Navy Journal, New York (weekly.)
 Army and Navy Register, Washington, D. C. (weekly.)
 Art (l'), Paris.
 Art Amateur, New York (monthly.)
 Art Journal, London (monthly.)
 Art (l') pour tous, Paris.
 Association of Engineering Societies, Journal, Chicago (monthly.)
 *Astronomical Society of the Pacific, Publications, San Francisco.
 Astronomy and Astro-Physics, Northfield, Minn. (monthly.)
 Athenæum, London (weekly.)
 Atlanta Constitution (weekly.)
 Atlantic Monthly, Boston.
 Baltimore Sun (weekly.)
 Bankers' Magazine, New York (monthly.)
 Banner of Light, Boston (weekly.)
 Berg-und Huetttenmaenische Zeitung (weekly.)
 *Berkeleyan, Berkeley, Cal. (weekly.)
 Bismarck Weekly Tribune, Bismarck, North Dakota (weekly.)
 Blacksmith and Wheelwright, New York (monthly.)
 Blackwood's Edinburgh Magazine (monthly.)
 Bon Ton (le), New York (monthly.)
 Bookbuyer, New York (monthly.)
 Bookseller, London (monthly.)
 Borderland, London (quarterly.)
 Boston Daily Journal.
 Boston Weekly Transcript.
 Braithwaite's Retrospect, London (semi-annual.)
 *Breeder and Sportsman, San Francisco (weekly.)
 British Association for the Advancement of Science, Report.
 British Chess Magazine (monthly.)
 British Journal of Photography (weekly.)
 Buffalo Courier (weekly.)
 Builder, London (monthly.)
 Builder and Woodworker, New York (monthly.)
 Bulletin, Sydney.
 *Bureau of Statistics, Report (quarterly.)
 *California Academy of Sciences, Bulletins, Proceedings, Papers.
 *California Architect and Building News (monthly.)
 *California Demokrat, San Francisco (daily.)

* Presented.

*California Fruit Grower, San Francisco (weekly.)
 *California Journal, San Francisco (weekly.)
 *California Medical Journal, San Francisco (monthly.)
 *California Midwinter Exposition, San Francisco (monthly.)
 *California Spirit of the Times, San Francisco (weekly.)
 *California Weather Service Bulletin (weekly.)
 *Californian, Bakersfield, Cal. (weekly.)
 Californian Illustrated Magazine (monthly.)
 Carpentry and Building, New York (monthly.)
 *Castroville Enterprise, Monterey, Cal. (weekly.)
 Catholic World, New York (monthly.)
 *Central Californian, San Miguel, Cal. (weekly.)
 Century Illustrated Monthly Magazine.
 Chambers's Journal (monthly.)
 Chatauquan, Meadville, Pa. (monthly.)
 Chemical News, London (weekly.)
 Chemical Society, Journal, London (monthly.)
 Chicago Times (daily.)
 Chicago Tribune (weekly.)
 *Chino Valley Champion, Chino, Cal. (weekly.)
 *Christian Leader, Boston (weekly.)
 Cincinnati Gazette (weekly.)
 *Citrograph, Redlands, Cal. (weekly.)
 *City Argus, San Francisco (weekly.)
 *Clear Lake Press, Lower Lake, Cal. (weekly.)
 Clipper, New York (weekly.)
 *Cloverdale Reveille, Cloverdale, Cal. (weekly.)
 Commercial and Financial Chronicle (weekly.)
 Commercial Herald and Market Review, San Francisco (weekly.)
 Comptes rendus hebdomadaires de l'Académie des Sciences.
 *Congressional Record.
 Contemporary Review, London (monthly.)
 *Contra Costa Gazette, Martinez, Cal. (weekly.)
 Cornhill Magazine, London (monthly.)
 *Corning Observer, Corning, Cal. (weekly.)
 Cosmopolitan, New York (monthly.)
 Courier-Journal, Louisville, Ky. (weekly.)
 Critic, New York (weekly.)
 Current Literature, New York (monthly.)
 Curtis' Botanical Magazine, London (monthly.)
 *Daily Commercial News, San Francisco.
 *Daily Evening Herald, Nevada City, Cal.

* Presented.

*Daily Morning Republican, Fresno, Cal.
 *Daily News, Red Bluff, Cal.
 *Daily Palo Alto, Palo Alto, Cal.
 *Daily Tidings, Grass Valley, Cal.
 *Dalles Times-Mountaineer, Dalles, Oregon (weekly.)
 Decorator and Furnisher, New York (monthly.)
 Demorest's Family Magazine (monthly.)
 Deutsche Rundschau (monthly.)
 Dial, Chicago (monthly.)
 Dinglers Polytechnisches Journal (weekly.)
 Eclectic Magazine, New York (monthly.)
 Economist, London (weekly.)
 Edinburgh Review (quarterly.)
 Education, Boston (monthly.)
 Educational Review, New York (monthly.)
 *Edwards' Abstract from Records, San Francisco (daily.)
 Electrical Review, London (weekly.)
 Electrical Review, New York (weekly.)
 Electrical World, New York (weekly.)
 Electrician, London (weekly.)
 *Elevator, San Francisco (weekly.)
 *Elko Independent, Elko, Nevada (weekly.)
 Engineer, London (weekly.)
 Engineer, New York (bi-weekly.)
 Engineering, London (weekly.)
 Engineering and Building Record and Sanitary Engineer, New York (weekly.)
 Engineering and Mining Journal, New York (weekly.)
 Engineering Magazine, New York (monthly.)
 Engineering News and American Railroad Journal (weekly.)
 English Illustrated Magazine (monthly.)
 English Mechanic and World of Science (weekly.)
 Erythea, Berkeley, Cal. (monthly.)
 Esoteric, Applegate, Cal. (monthly.)
 *Evening Bulletin, San Francisco (daily.)
 *Evening Post, San Francisco (daily.)
 Evening Star, Washington, D. C. (daily.)
 *Examiner, San Francisco (daily.)
 Farmers' Tribune, Minneapolis (weekly.)
 Federated Institution of Mining Engineers, Transactions, Field, London (weekly.)
 *Filatelic Facts and Fallacies, San Francisco (monthly.)

* Presented.

Fliegende Blätter (weekly.)
 Forest and Stream, New York (weekly.)
 Fortnightly Review (monthly.)
 Forum (monthly.)
 Frank Leslie's Illustrated Newspaper (weekly.)
 Frank Leslie's Popular Monthly (monthly.)
 Franklin Institute, Journal (monthly.)
 *Galt Weekly Gazette, Galt, Cal. (weekly.)
 Galveston Weekly News, Galveston, Texas (weekly.)
 Garden and Forest, New York (weekly.)
 Gazette des Beaux-Arts (monthly.)
 Geographical Journal, London (monthly.)
 Geological Society, Quarterly Journal, London.
 Geological Society of America, Bulletin (irregular.)
 *Germania, San Francisco (monthly.)
 *Gilroy Gazette, Gilroy, Cal. (weekly.)
 Golden Era, San Diego, Cal. (monthly.)
 *Good Health, Battle Creek, Mich. (monthly.)
 Good Housekeeping (monthly.)
 *Good Roads, New York (monthly.)
 Good Words (monthly.)
 Graphic, Chicago (weekly.)
 Graphic, London (weekly.)
 *Grass Valley Union, Grass Valley, Cal. (weekly.)
 *Grocer and Country Merchant, San Francisco (weekly.)
 Guide, San Francisco (daily.)
 Guy's Hospital Reports (annual.)
 Hall's Journal of Health (monthly.)
 *Harmony, San Francisco (monthly.)
 Harper's Bazar (weekly.)
 " Monthly Magazine.
 " Weekly.
 Harvard University Bulletin (irregular.)
 *Hawthorne, San Francisco (monthly.)
 *Hayes Valley Advertiser, San Francisco (weekly.)
 *Hebrew, San Francisco (weekly.)
 Helena Weekly Herald, Helena, Montana.
 Horseman, Chicago (weekly.)
 Hub (monthly.)
 *Human Nature, San Francisco (monthly.)
 *Humane Journal, St. Paul (monthly.)
 Ilustracion Española y Americana, Madrid (weekly.)

* Presented.

Illustrated American (weekly.)
 Illustrated London News, London (weekly.)
 " " " New York (weekly.)
 Illustrated Official Journal (Patents) London.
 * Imports and Exports, Summary (monthly.)
 Independent (weekly.)
 Industry, San Francisco (monthly.)
 Industries and Iron, London (weekly.)
 Inland Architect, Chicago (monthly.)
 Institution of Civil Engineers, Proceedings, London.
 Institution of Mechanical Engineers, Proceedings, London.
 Institution of Naval Architects, Transactions, London (bi-monthly.)
 * Insurance Times, New York (monthly.)
 * Invention, London (monthly.)
 Iron Age (weekly.)
 Iron and Steel Institute, Journal (biennial.)
 Irrigation Age and Western Empire (monthly.)
 Japan Herald Mail Summary.
 Jeanness-Miller Magazine (monthly.)
 * Jewelers' Weekly, New York.
 * Jewish Progress, San Francisco (weekly.)
 * Jewish Times, San Francisco (weekly.)
 Johns Hopkins University Studies.
 Johns Hopkins University Circulars (monthly.)
 Journal of Gas Lighting (weekly.)
 Journal of Geology, Chicago (semi-quarterly.)
 Journal of Political Economy, Chicago (quarterly.)
 Journal of Speculative Philosophy.
 Judge (weekly.)
 Kate Field's Washington (weekly.)
 Ladies' Home Journal (monthly.)
 * Lake County Avalanche, Lakeport, Cal. (weekly.)
 Lancet, London (weekly.)
 * Lassen Advocate, Susanville, Cal. (weekly.)
 Leather Manufacturer, New York (monthly.)
 Lend a Hand (monthly.)
 Library Journal (monthly.)
 Life (weekly.)
 Lippincott's Magazine (monthly.)
 Literary News (monthly.)
 Literary World (fortnightly.)
 Littell's Living Age (weekly.)

* Presented.

* Los Angeles Weekly Mirror, Los Angeles, Cal. (weekly.)
 Lucifer (monthly.)
 * Machinery Market and Exporter.
 Macmillan's Magazine (monthly.)
 Magazine of American History (monthly.)
 * Mail of Woodland, Woodland, Cal. (daily.)
 Maine State Press, Portland, Me. (weekly.)
 Manufacturer and Builder (monthly.)
 Marine Engineer (monthly.)
 * Marysville Daily Appeal, Marysville, Cal.
 Mechanical News, New York (bi-monthly.)
 Medical News, Philadelphia (weekly.)
 Medico-Chirurgical Transactions, London.
 * Mendocino Beacon, Mendocino, Cal. (weekly.)
 Mining and Scientific Press, San Francisco (weekly.)
 Mining Journal, London (weekly.)
 * Mission Journal, San Francisco (weekly.)
 Mobile Weekly Register.
 Mode Illustrée, London (monthly.)
 Monist (quarterly.)
 * Monitor, San Francisco (weekly.)
 Monthly Weather Reports, Washington, D. C.
 * Morning Call, San Francisco (daily.)
 * Mountain Messenger, Downieville, Cal. (weekly.)
 Music, Chicago (monthly.)
 Musical Courier, New York (weekly.)
 * Napa Register, Napa, Cal. (weekly.)
 Nation, New York (weekly.)
 National Association for the Promotion of Social Science, Transactions.
 National Car and Locomotive Builder (monthly.)
 National Popular Review (monthly.)
 Nature, London (weekly.)
 New England Historical and Genealogical Register (quarterly.)
 New England Magazine (monthly.)
 New Mexican Review (weekly.)
 New Review, New York (monthly.)
 New York Herald (daily.)
 " Ledger (weekly.)
 " Times (daily.)
 " Tribune (daily.)
 * News Letter, San Francisco (weekly.)

* Presented.

Nineteenth Century, London (monthly.)
 North American Review (monthly.)
 Northwestern Lumberman (weekly.)
 Notes and Queries, London (weekly.)
 * Oakland Daily Evening Tribune, Oakland, Cal.
 * Oasis, Arizola, Arizona (weekly.)
 * Occident, Berkeley, Cal. (weekly.)
 * Occident, San Francisco (weekly.)
 * Official Gazette of the Patent Office, Washington, D. C.
 * Official Journal of the Patent Office, London.
 Open Court, Chicago (weekly.)
 * Oregon State Journal, Eugene, Oregon (weekly.)
 * Oroville Register, Oroville, Cal. (weekly.)
 Outing, New York (monthly.)
 Outlook, New York (weekly.)
 * Outlook, Santa Monica, Cal. (weekly.)
 Overland Monthly, San Francisco.
 * Pacific Churchman (semi-monthly.)
 * Pacific Coast Journal of Homœopathy, San Diego, Cal. (monthly.)
 Pacific Coast Photographer (monthly.)
 * Pacific Health Journal (monthly.)
 * Pacific Irish American, San Francisco (weekly.)
 Pacific Lumberman, Contractor and Electrician, S. F. (monthly.)
 Pacific Medical Journal (monthly.)
 * Pacific Rural Press (weekly.)
 * Pacific Town Talk, San Francisco (weekly.)
 Pall Mall Budget (weekly.)
 * Paradise of the Pacific, Honolulu (irregular.)
 Pathological Society of London, Transactions.
 Pedagogical Seminary (irregular.)
 Peterson's Magazine (monthly.)
 Philatelic Californian (monthly.)
 Philatelic Journal of America, St. Louis (monthly.)
 Philosophical Review, Boston (bi-monthly.)
 Phrenological Journal (monthly.)
 Picayune, New Orleans (weekly.)
 Pittsburg Commercial Gazette (weekly.)
 * Placer Argus, Auburn, Cal. (weekly.)
 * Placer Herald, Auburn, Cal. (weekly.)
 * Plumas National, Quincy, Cal. (weekly.)
 * Pointer, Chicago and New York (monthly.)
 * Political Record, San Francisco (weekly.)

* Presented.

Political Science Quarterly, New York.
 Popular Astronomy (monthly.)
 Popular Science Monthly.
 Popular Science News (monthly.)
 Portfolio, London (monthly.)
 Portland Transcript, Portland, Maine (weekly.)
 * Press and Horticulturist, Riverside, Cal. (weekly.)
 Public Opinion, Washington, D. C. (weekly.)
 Puck (weekly.)
 Punch (weekly.)
 Quarterly Journal of Economics.
 " Journal of Microscopical Science.
 " Review.
 * Queensland Government Gazette (irregular.)
 Railroad Gazette, New York (weekly.)
 * Redwood City Democrat, Redwood, Cal. (weekly.)
 Republic, St. Louis (weekly.)
 Republic, Washington (weekly.)
 * Resources of California, San Francisco (weekly.)
 Review of Reviews (monthly.)
 Revue de la Mode (monthly.)
 Revue des Deux Mondes (monthly.)
 Rocky Mountain News, Denver, Col. (weekly.)
 Royal Agricultural Society, Journal.
 Royal Astronomical Society, Memoirs.
 Royal Geographical Society, Proceedings.
 Royal Society, Philosophical Transactions.
 Royal Society, Proceedings.
 Royal United Service Institution, Journal.
 Sacramento Daily Record Union, Sacramento, Cal.
 * St. Helena Star, St. Helena, Cal. (weekly.)
 St. Nicholas (monthly.)
 * Salinas City Index, Salinas, Cal. (weekly.)
 Salt Lake Tribune (weekly.)
 * San Diegan Sun, San Diego, Cal. (daily.)
 * San Diego Vidette, San Diego, Cal. (weekly.)
 San Francisco Abend-Post (daily.)
 * " Chronicle (daily.)
 * " Daily Report (daily.)
 * " Hotel Gazette (weekly.)
 * " Journal of Commerce (weekly.)
 Sanitarian, New York (monthly.)

* Presented.

- * San Jose Daily Herald (daily.)
- * San Jose Weekly Mercury (weekly.)
- * San Luis Obispo Tribune, San Luis Obispo, Cal. (weekly.)
- * San Miguel Messenger, San Miguel, Cal. (weekly.)
- * Santa Cruz Surf, Santa Cruz, Cal. (weekly.)
- * Sausalito News, Sausalito, Cal. (weekly.)
- Saturday Review (weekly.)
- School of Mines Quarterly (quarterly.)
- Science, New York (weekly.)
- Science Gossip, London (monthly.)
- Scientific American (weekly.)
- “ “ Supplement (weekly.)
- “ “ Architects & Builders edition (weekly.)
- Scribner's Magazine (monthly.)
- * Seattle Press, Seattle, Wash. (weekly.)
- Seismological Journal of Japan.
- * Sequoia, Palo Alto, Cal. (weekly.)
- Shakespeariana, New York (quarterly.)
- Shoppell's Modern Houses (quarterly.)
- * Signs of the Times, Oakland, Cal. (monthly.)
- Smithsonian Miscellaneous Collections.
- Société Chimique de Paris, Bulletin (semi-monthly.)
- Société Industrielle de Mulhouse, Bulletin, Paris (monthly.)
- Society of Chemical Industry, Journal (monthly.)
- * Soldier and Sailor, San Francisco (monthly.)
- * Specifications of Inventions, London.
- * Specifications and Drawings of Patents, Washington, D. C.
- Spectator (weekly.)
- Spirit of the Times, New York (weekly.)
- Spokesman of the Carriage, Harness and Implement Trades, Cincinnati (monthly.)
- Springfield Republican (weekly.)
- * Star, San Francisco (weekly.)
- * States Rights Democrat, Albany, Oregon (weekly.)
- Statistical Society, Journal.
- Stockton Independent, Stockton, Cal. (daily.)
- Steamship, London (monthly.)
- Street Railway Journal (monthly.)
- * Students' Journal, New York (monthly.)
- * Technical Society of the Pacific Coast, Transactions (monthly.)
- * Textile Manufacturing World (monthly.)
- * Themis, Sacramento, Cal. (weekly.)

* Presented.

- Times, Philadelphia (daily.)
- Times, London (daily.)
- Toronto Globe (weekly.)
- Torrey Botanical Club, Bulletin (monthly.)
- * Traveller, San Francisco (monthly.)
- Truth, London (weekly.)
- United Service, Philadelphia (monthly.)
- * United States Consular Reports.
- * United States Government Publications, Monthly catalogue.
- * United States Naval Institute, Proceedings (quarterly.)
- Universal Medical Journal (monthly.)
- * Urn, New York (monthly.)
- * Valley Review, Lodi, Cal.
- * Vancouver Independent, Vancouver (weekly.)
- * Variety, San Francisco (weekly.)
- * Victoria Weekly Colonist, Victoria.
- Virginia City Chronicle, Virginia, Nevada (daily.)
- Vogue, New York (weekly.)
- Voice, New York (weekly.)
- Washington Post, Washington, D. C. (daily.)
- * Wasp, San Francisco (weekly.)
- Wave, San Francisco (weekly.)
- * Weekly Colusa Sun, Colusa, Cal.
- * “ Commercial Record, San Francisco.
- “ Globe Democrat, St. Louis.
- * “ Leader, Port Townsend, Wash.
- “ New Mexican Review, Santa Fe.
- * “ Peoples' Cause, Red Bluff, Cal.
- * “ Red Bluff News, Red Bluff, Cal.
- “ Scotsman, Edinburgh.
- Westminster Review (monthly.)
- Wilson's Photographic Magazine (monthly.)
- * Wood and Iron, San Francisco (monthly.)
- World, New York (daily.)
- Yale Review, Boston (quarterly.)
- Youth's Companion (weekly.)
- * Yreka Journal, Yreka Cal. (weekly.)
- Zoe, San Francisco (quarterly.)
- * Presented.

ANNUAL MEETING.

The annual meeting of the Mechanics' Institute was held in the Art Gallery rooms of the Pavilion, Saturday evening, March 10th, 1894.

The assemblage was called to order at eight o'clock by President A. S. Hallidie, and after the reading of the minutes of the last meeting, reports from the Librarian, Treasurer, Secretary and President, the following report from the Judges of Election was presented:

SAN FRANCISCO, March 1, 1894.

To the President and Trustees of the Mechanics' Institute:

GENTLEMEN:—We, the undersigned, who were appointed by your honorable body Judges for the Annual Election of Trustees, held February 27, 1894, beg to submit the following report:

The election was by the proportional and preferential method adopted last year, and we believe has given general satisfaction. There were 853 votes cast, the quota necessary for election of a candidate being 121. There were 14 candidates, of which George Cumming and A. S. Hallidie received the full quota, 121. Henry T. Bush, Joseph Leggett, Marsden Manson, Charles E. Mooser and Henry Root, by first choice and transfers from other candidates, received the requisite number of votes to elect.

We, therefore, declare the above named gentlemen duly elected Trustees of the Mechanics' Institute.

Respectfully submitted,

Judges of Election { JOHN H. GILMORE,
HENRY L. DAVIS,
E. H. COLE.

Thereupon, the Committee on Installation, James H. Barry, Chas. M. Plum and James Spiers, came forward and, taking seats

upon the platform, requested the Trustees-elect to present themselves and take the obligation of office.

A. S. Hallidie, George Cumming, Joseph Leggett, Marsden Manson, Henry T. Bush, Charles E. Mooser and Henry Root responded, and Mr. James H. Barry read the obligation: "We, A. S. Hallidie, George Cumming, Joseph Leggett, Marsden Manson, Henry T. Bush, Chas. E. Mooser and Henry Root, having been duly elected Trustees of the Mechanics' Institute, do promise faithfully and honestly to perform the duties of said office, and to support and advance the best interests of the Association;" which was repeated by the elect and duly signed, whereupon, the Judges declared them duly installed as Trustees to serve for two years. Mr. Barry then delivered an impressive address.